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09/559,224	04/26/2000	Robert L. Schmitter	2544-P018	1284

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2005 MARKET STREET, SUITE 2200  
PHILADELPHIA, PA 19103

EXAMINER

NAHAR, QAMRUN

ART UNIT PAPER NUMBER

2191

DATE MAILED: 07/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/559,224

Applicant(s)

SCHMITTER, ROBERT L.

Examiner

Qamrun Nahar

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-54 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-54 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This action is in response to the supplemental amendment filed on 4/8/05.
2. The objection to the disclosure is withdrawn in view of applicant's amendment.
3. The rejection under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention to claims 3, 19-21, 25-41, and 42-48 is withdrawn in view of applicant's amendment.
4. The rejection under 35 U.S.C. 102(e) as being anticipated by Faustini et al. (U.S. 5,842,020) to claims 1-54 is withdrawn in view of applicant's amendment and remarks/arguments.
5. Claims 1, 3, 7, 19, 21, 27, 33, 42 and 49 have been amended.
6. Claims 1-54 are pending.
7. The objection to claim 37 is pending.
8. Claims 1-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Faustini et al. (U.S. 5,842,020) in view of Hanson (U.S. 5,956,736).

### ***Response to Amendment***

#### ***Claim Objections***

9. As pointed out in the last Office Action (Mailed on 08/27/2004, par. 14), claim 37 is objected to because of the following informalities: "on of" on line 2 of the claim should be "one of". Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 1-54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Faustini et al. (U.S. 5,842,020) in view of Hanson (U.S. 5,956,736).

**Per Claim 1 (Amended):**

Faustini teaches an object oriented software application system, having an execution environment in which an object-oriented application is deployed as a collection of application objects, each application object having attributes defining properties thereof ("Method, system, and article of manufacture for dynamic editing of object oriented components used in an object oriented applet or application." in abstract and column 153, lines 58-59 to column 154, lines 1-11), the system comprising: an inspector configured to permit modification of at least one application object in the object oriented application, for communicating information pertaining to the attributes of the application object while the application object is deployed in the execution environment ("Dynamic editing is accomplished by providing each component that would have need of an editor with that capability as an integral part of the class template from which it is instantiated. ... Thus, when such edit capable components are instantiated in either the logical view 402 or the physical view 500, their built-in customizer or edit window 1104 is invoked, see FIG. 11, and opens automatically. The editor appears in the view ready for use to

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change or customize the properties of the component, in this case scrollbar 604b, based on user interaction with the customizer or editing window 1104. ... An editing window ... is defined as a method corresponding to the editor ... An editing window is opened ... when the component with which it is associated is dragged and dropped or instantiated for use.” in column 153, lines 58-59 to column 154, lines 1-11; column 154, lines 16-21; depicted in Figure 11A, by blocks 1122 and 1126). Faustini does not explicitly teach a document server for maintaining an inventory of objects deployed in the execution environment, the document server providing a user interface to the inspector for communicating with said one application object, wherein the inspector is separate from the application object. Hanson teaches a document server for maintaining an inventory of objects deployed in the execution environment, the document server providing a user interface to the inspector for communicating with said one application object, wherein the inspector is separate from the application object (column 10, lines 32-34; A document server is inherently taught by Hanson, where the collection of objects are maintained. The viewer window is interpreted as a user interface. “Object Editor Window” in column 11, lines 14-26 is interpreted as the inspector).

It would have been obvious to one having ordinary skill in the computer art at the time of the invention was made to modify the system disclosed by Faustini to include a document server for maintaining an inventory of objects deployed in the execution environment, the document server providing a user interface to the inspector for communicating with said one application object, wherein the inspector is separate from the application object using the teaching of Hanson. The modification would be obvious because one of ordinary skill in the art would be motivated to use objects in order to be

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able to extend and specialize the objects based on situations (Hanson, column 4, lines 19-23).

**Per Claim 2:**

The rejection of claim 1 is incorporated, and Hanson further teaches wherein the document server is configured to actuate the inspector, and wherein the inspector is configured to generate a display of attributes defining the object (column 11, lines 27-67 and see Figure 6C).

**Per Claim 3 (Amended):**

The rejection of claim 2 is incorporated, and Faustini further teaches wherein the inspector is configured to allow user modification of the attributes shown in the display and to apply such modification to the attributes of the application object in the execution environment (column 10, lines 45-48 and column 154, lines 22-35).

**Per Claim 4:**

The rejection of claim 1 is incorporated, and Faustini further teaches wherein the inspector is configured to permit user modification of the application object during execution of the object-oriented application (column 10, lines 45-48 and column 154, lines 22-35).

**Per Claim 5:**

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The rejection of claim 1 is incorporated, and Hanson further teaches wherein the document server is configured to maintain an inventory of objects deployed in the execution environment, and to retrieve and instantiate a corresponding inspector for a deployed object desired to be modified (column 10, lines 32-34 and column 11, lines 14-26).

**Per Claim 6:**

The rejection of claim 1 is incorporated, and Faustini further teaches comprising a library of objects accessible to the document server, for permitting addition of objects from the library to the object-oriented application (column 154, lines 5-11 and FIG 2, item 206).

**Per Claims 7 (Amended) & 8:**

These are another versions of the claimed system discussed above (claims 1, 2 and 3), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claims 9 and 16:**

These are another versions of the claimed system discussed above, claim 13, wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claim 10:**

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The rejection of claim 7 is incorporated, and Faustini further teaches wherein the execution environment comprises a web browser (column 10, lines 25-43).

**Per Claim 11:**

The rejection of claim 1 is incorporated, and Faustini further teaches wherein said inspector is configured to modify a visual attribute of said object (column 154, lines 49-58).

**Per Claim 12:**

The rejection of claim 11 is incorporated, and Hanson further teaches wherein said inspector is configured to modify said visual attribute to be conditionally dependent on a characteristic of the execution environment (column 11, lines 42-67).

**Per Claim 13:**

The rejection of claim 6 is incorporated, and Faustini further teaches wherein the inspector is configured to permit user modification of the application object during execution of the object-oriented application, further comprising means for selectively archiving said application object and adding said application object to said library (column 154, lines 5-35).

**Per Claim 14:**



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The rejection of claim 1 is incorporated, and Hanson further teaches wherein said inspector is provided in the form of an archive file accessible to the document server (column 12, lines 1-18).

**Per Claim 15:**

The rejection of claim 14 is incorporated, and Hanson further teaches wherein said archive file is an XML file (column 12, lines 1-18).

**Per Claims 17-18:**

These are another versions of the claimed system discussed above (claims 14-15, respectively), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claim 19 (Amended):**

The rejection of claim 7 is incorporated, and Hanson further teaches wherein said document server selects said inspector based on object attribute information contained within said inventory (column 12, lines 1-18).

**Per Claim 20:**

The rejection of claim 19 is incorporated, and Hanson further teaches wherein said inventory comprises an object registry of the execution environment (column 12, lines 1-18).

**Per Claim 21 (Amended):**

The rejection of claim 7 is incorporated, and Hanson further teaches wherein said document server is configured for searching and identifying each object deployed in said execution environment having a common attribute selected for modification, to allow selective modification of each such object (column 10, lines 32-34 and column 11, lines 14-26).

**Per Claim 22:**

The rejection of claim 7 is incorporated, and Hanson further teaches wherein said document server is configured for searching a library of archived objects, and for identifying archived objects having a common attribute selected for modification, to allow selective modification of each such object (column 10, lines 32-34 and column 11, lines 14-26).

**Per Claim 23:**

The rejection of claim 7 is incorporated, and Hanson further teaches wherein said document server is further configured for maintaining a history of modifications to provide version tracking of the object (column 12, lines 54-67 to column 13, lines 1-4).

**Per Claim 24:**

The rejection of claim 7 is incorporated, and Hanson further teaches wherein said execution environment comprises a register of runtime objects, and wherein said inventory comprises the register, whereby the document server accesses the register to

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provide means for selecting the inspector corresponding to the runtime object (column 12, lines 1-18).

**Per Claim 25:**

The rejection of claim 19 is incorporated, and Faustini further teaches wherein the inspector communicates with the runtime object via a network communication protocol (column 10, lines 25-35).

**Per Claim 26:**

The rejection of claim 25 is incorporated, and Faustini further teaches wherein said protocol comprises one of CORBA, COM, RPC and DDE (column 10, lines 25-35).

**Per Claim 27 (Amended):**

This is an improvement version of the claimed system discussed above (claims 7, 19, 20 and 24), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, this claim is also obvious.

**Per Claim 28:**

The rejection of claim 27 is incorporated, and Faustini further teaches wherein said inspector is configured to alter a method of said selected executable object while said executable object continues to operate in the execution environment (column 153, lines 58-59 to column 154, lines 1-11).

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**Per Claims 29-30:**

These are improvement versions of the claimed system discussed above (claims 3 and 11, respectively), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claim 31:**

The rejection of claim 29 is incorporated, and Faustini further teaches wherein said attribute is an operational attribute of said selected executable object (column 154, lines 36-48).

**Per Claim 32:**

The rejection of claim 31 is incorporated, and Faustini further teaches wherein said attribute is a menu item associated with said selected executable object (column 154, lines 49-58).

**Per Claim 33 (Amended):**

This is an improvement version of the claimed system discussed above, claim 6, wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, this claim is also obvious.

**Per Claim 34:**

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The rejection of claim 29 is incorporated, and Faustini further teaches wherein said inspector is configured to communicate with said executable object (column 154, lines 2-11).

**Per Claim 35:**

The rejection of claim 34 is incorporated, and Faustini further teaches wherein said executable object is configured to comprise a communication method for receiving configuration data defining operational behavior of the object, and wherein said inspector is configured to transmit configuration data via said communication method (column 154, lines 2-11).

**Per Claims 36-37:**

These are improvement versions of the claimed system discussed above (claims 25 and 26, respectively), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claim 38:**

The rejection of claim 27 is incorporated, and Hanson further teaches wherein said inspector documents comprise alternative archived inspectors corresponding to an executable object, and wherein said document server process is configured to select among said alternative archived inspectors according to an operating system of the execution environment (column 12, lines 1-18).

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**Per Claim 39:**

The rejection of claim 38 is incorporated, and Hanson further teaches wherein said inspector documents comprise a generic inspector document configured to determine attributes of an executable object and to provide a user interface for altering said attributes (column 12, lines 1-18).

**Per Claim 40:**

The rejection of claim 27 is incorporated, and Faustini further teaches wherein said inspector documents are stored as ASCII files (column 9, lines 9-25).

**Per Claim 41:**

The rejection of claim 40 is incorporated, and Faustini further teaches wherein said inspector documents are stored as XML files (column 9, lines 9-25).

**Per Claim 42 (Amended):**

This is a method version of the claimed system discussed above (claims 7 and 9), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, this claim is also obvious.

**Per Claim 43:**

The rejection of claim 42 is incorporated, and Faustini further teaches wherein said step of operating said inspector is performed while the application executes within

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the first execution environment (abstract and column 153, lines 58-59 to column 154, lines 1-11).

**Per Claim 44:**

The rejection of claim 42 is incorporated, and Hanson further teaches wherein said first and second execution environment comprise respective different operating systems (column 14, lines 20-65).

**Per Claim 45:**

The rejection of claim 44 is incorporated, and Hanson further teaches wherein said step of deploying said application in the second execution environment comprises transmitting said application via a computer network (column 14, lines 20-65).

**Per Claim 46:**

The rejection of claim 45 is incorporated, and Hanson further teaches wherein said second execution environment comprises a web browser (column 14, lines 20-65).

**Per Claim 47:**

The rejection of claim 45 is incorporated, and Hanson further teaches comprising the step of providing a library of objects for selectively adding objects from the library to the application (column 10, lines 32-34 and column 11, lines 14-26).

**Per Claim 48:**

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The rejection of claim 47 is incorporated, and Faustini further teaches further comprising the step of selectively archiving the modified application object and adding the modified application object to the library (column 154, lines 5-35).

**Per Claims 49 (Amended) & 50-51:**

These are another versions of the claimed method discussed above, claim 42, wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claims 52-53:**

These are another versions of the claimed method discussed above (claims 47-48, respectively), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also obvious.

**Per Claim 54:**

The rejection of claim 50 is incorporated, and Faustini further teaches wherein said step of saving said modified object comprises the step of saving said modified object as an XML archive document (column 9, lines 9-25).

***Response to Arguments***

12. Applicant's arguments with respect to claims 1-54 have been considered but are moot in view of the new ground(s) of rejection.



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*Conclusion*

13. Any inquiry concerning this communication from the examiner should be directed to Qamrun Nahar whose telephone number is (571) 272-3730. The examiner can normally be reached on Mondays through Fridays from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached on (571) 272-3695. The fax phone number for the organization where this application or processing is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QN  
June 29, 2005

  
WEI Y. ZHEN  
PRIMARY EXAMINER